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- 1 [Efficient management of XML contents over wireless environment by Eugene Y. C. Wong, Alvin T. S. Chan, Hong-Va Leong](#)
March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applied**

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (452.74 KB)

Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 27, Download

In this paper we investigated the issues pertaining to streaming general environment. We highlight the disadvantages of employing existing app XML contents across a wireless ...

Keywords: XML, fragmentation, mobile computing, streaming, wireless

- 2 [Enabling Schema-Free XQuery with meaningful query focus](#)

[Yunyao Li, Cong Yu, H. V. Jagadish](#)

May 2008

The VLDB Journal — The International Journal on Very
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (836.82 KB)

Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 55, Downlo

The widespread adoption of XML holds the promise that document struc database queries. However, users may have only a limited knowledge o produce a correct XQuery expression, ...

Keywords: Hierarchical, Query language, Schema, Semi-structured, XM

- 3 [TIMBER: A native XML database](#)

[H. V. Jagadish, S. Al-Khalifa, A. Chapman, L. V. S. Lakshmanan, A. Nierma Wiwatwattana, Y. Wu, C. Yu](#)

December 2002 **The VLDB Journal — The International Journal on Ver**
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (268.39 KB)

Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 198, Downl

This paper describes the overall design and architecture of the Timber X

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implemented at the University of Michigan. The system is based upon a natively stores XML. New access ...

Keywords: Algebra, Document management, Hierarchical, Query proce

4 [XML stream processing using tree-edit distance embeddings](#)



Minos Garofalakis, Amit Kumar

March 2005 **Transactions on Database Systems (TODS)**, Volume 30 Issu

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (726.56 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 126, Downl

We propose the first known solution to the problem of correlating, in sm through approximate (structure and content) matching, as defined by a element of our solution ...

Keywords: XML, approximate query processing, data streams, data sy distance

5 [Integrating document and data retrieval based on XML](#)

Jan-Marco Bremer, Michael Gertz

January 2006 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (841.10 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 153, Downl

For querying structured and semistructured data, data retrieval and doc complementary techniques that have not yet been fully integrated. In tl retrieval (IIR), an XML-based ...

Keywords: Data retrieval, Document retrieval, Index structures, Integr XML

6 [TopX: efficient and versatile top-k query processing for semistructure](#)

Martin Theobald, Holger Bast, Debapriyo Majumdar, Ralf Schenkel, Gerhard

January 2008 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (1.41 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 61, Downloa

Recent IR extensions to XML query languages such as Xpath 1.0 Full-Te benchmark series reflect the emerging interest in IR-style ranked retrie k ...


Keywords: Content- and structure-aware ranking, Cost-based index ac query expansion, Efficient XML full-text search, Probabilistic candidate p

Temporal XML: modeling, indexing, and query processing

Flavio Rizzolo, Alejandro A. Vaisman

August 2008 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (1.79 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 149, Downl

In this paper we address the problem of modeling and implementing ter for tracking historical information in an XML document and for recoverin time. We study the temporal ...


Keywords: Semistructured data, Structural summaries, Temporal data

8 Efficient filtering of XML documents with XPath expressions

C.-Y. Chan, P. Felber, M. Garofalakis, R. Rastogi

December 2002 **The VLDB Journal — The International Journal on Ver**

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (383.34 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Downloa

The publish/subscribe paradigm is a popular model for allowing publishe disseminate data to a large number of widely dispersed subscribers (i.e interest in specific ...

Keywords: Data dissemination, Document filtering, Index structure, XI

9 XSKETCH synopses for XML data graphs

 Neoklis Polyzotis, Minos Garofalakis

September 2006 **Transactions on Database Systems (TODS)**, Volume 31

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (885.57 KB)

Additional Information: [full citation](#), [app terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 85, Downloa

Effective support for XML query languages is becoming increasingly imp that access large volumes of XML data. All existing proposals for queryir specification language ...

Keywords: XML, approximate query processing, data synopses, path e

10 Proceedings of the 2000 ACM/IEEE conference on Supercomputing

Jed Donnelley




November 2000 **Supercomputing '00: Proceedings of the 2000 ACM/IEEE**




Publisher: IEEE Computer Society




Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

11 Communications of the ACM: Volume 51 Issue 7




-  July 2008 Communications of the ACM
Publisher: ACM
Full text available:  [Digital Edition](#) ,  [Pdf](#) (6.54 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 1046, Downloads (12 Months): 2575, Dc




- 12 [Communications of the ACM: Volume 52 Issue 4](#)
 April 2009 Communications of the ACM
Publisher: ACM
Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.58 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 297, Downloads (12 Months): 751, Dowl

- 13 [Path sharing and predicate evaluation for high-performance XML filters](#)
 Yanlei Diao, Mehmet Altinel, Michael J. Franklin, Hao Zhang, Peter Fischer
December 2003 **Transactions on Database Systems (TODS)** , Volume 28 I
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (543.40 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 105, Downl

XML filtering systems aim to provide fast, on-the-fly matching of XML-e specifications containing constraints on both structure and content. It is event-based parsing and Finite ...


Keywords: Nondeterministic Finite Automaton, XML filtering, content-b path sharing, predicate evaluation, structure matching

- 14 [Communications of the ACM: Volume 51 Issue 10](#)
 October 2008 Communications of the ACM
Publisher: ACM
Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.16 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 165, Downloads (12 Months): 438, Dowl

- 15 [Survey of graph database models](#)
 Renzo Angles, Claudio Gutierrez
February 2008 **Computing Surveys (CSUR)** , Volume 40 Issue 1
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (1.59 MB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 143, Downloads (12 Months): 1562, Dov


Graph database models can be defined as those in which data structure as graphs or generalizations of them, and data manipulation is expressed with constructors. These models ...

Keywords: Database systems, database models, graph database models, constraints, graph query languages

- 16 [Integrating XML data sources using approximate joins](#)
 Sudipto Guha, H. V. Jagadish, Nick Koudas, Divesh Srivastava, Ting Yu

March 2006 **Transactions on Database Systems (TODS)**, Volume 31 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.39 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Downloads (All Time): 100

XML is widely recognized as the data interchange standard of tomorrow. Hence, XML is likely to be the format through which this article, we ...

Keywords: Data integration, XML, approximate joins, joins, tree edit distance

17 [Querying business processes](#)

[Catriel Beeri](#), [Anat Eyal](#), [Simon Kamenkovich](#), [Tova Milo](#)

September 2006 **VLDB '06:** Proceedings of the 32nd international conference on Very Large Databases

Publisher: VLDB Endowment

Full text available:  Pdf (598.19 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 70, Downloads (All Time): 100

We present in this paper BP-QL, a novel query language for querying business processes based on an intuitive model of business processes, an abstraction of the (Business Process Language) standard. It allows ...

18 [XQuery implementation in a relational database system](#)

[Shankar Pal](#), [Istvan Cseri](#), [Oliver Seeliger](#), [Michael Rys](#), [Gideon Schaller](#), [Wolfgang Berg](#), [Denis Churin](#), [Eugene Kogan](#)

August 2005 **VLDB '05:** Proceedings of the 31st international conference on Very Large Databases

Publisher: VLDB Endowment

Full text available:  Pdf (317.03 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 87, Downloads (All Time): 100


Many enterprise applications prefer to store XML data as a rich data type in a database system to avoid the complexity of decomposing the data into tables and then reassembling the XML data. ...

19 [The SphereSearch engine for unified ranked retrieval of heterogeneous data](#)

[Jens Graupmann](#), [Ralf Schenkel](#), [Gerhard Weikum](#)

August 2005 **VLDB '05:** Proceedings of the 31st international conference on Very Large Databases

Publisher: VLDB Endowment


Full text available:  Pdf (381.86 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 60, Downloads (All Time): 100

This paper presents the novel SphereSearch Engine that provides unified retrieval of Web data. Its search capabilities include vague structure conditions, text search, and search based on IR statistics ...

20 [A cluster-based approach to XML similarity joins](#)

 [Leonardo A. Ribeiro](#), [Theo Härder](#), [Fernanda S. Pimenta](#)

September 2009 **IDEAS '09:** Proceedings of the 2009 International Database Engineering and Symposium

Publisher: ACM

Full text available:  Pdf (900.97 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 62, Downloads (All Time): 100

A natural consequence of the widespread adoption of XML as standard for the redundant storage of large amounts of persistent XML documents. Content represented in XML format ...

Keywords: XML, clustering, entity resolution, similarity joins, similarity

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